

Title (en)
BEAM-EXPANDING DEVICE

Title (de)
STRAHLERWEITERUNGSVORRICHTUNG

Title (fr)
DILATATEUR DE FAISCEAU

Publication
EP 1318418 A1 20030611 (EN)

Application
EP 01920031 A 20010330

Priority

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- RU 2000119266 A 20000719

Abstract (en)
A radiation beam expander includes planar optical waveguide (2) and stripe waveguide (3) provided with a set of unit reflectors (4) that overlap its aperture, and is arranged in the plane of planar waveguide (2), within said waveguide itself or in the vicinity thereof, with providing the possibility of transition of light beams (6'), reflected by unit reflectors (4), into planar waveguide (2). Angle of inclination and arrangement of unit reflectors (4) being selected such that phase difference on the operating radiation wavelength, for any pair of beams (6') reflected from different unit reflectors (4), is essentially multiple of 2π . <IMAGE>

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G02B 6/12; G02B 6/26

IPC 8 full level
G02B 6/12 (2006.01); **G02B 6/122** (2006.01); **G02B 6/26** (2006.01)

CPC (source: EP US)
G02B 6/122 (2013.01 - EP US); **G02B 6/1228** (2013.01 - EP US); **G02B 2006/12097** (2013.01 - EP US)

Cited by
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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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